TO8050 "T2<1"5860

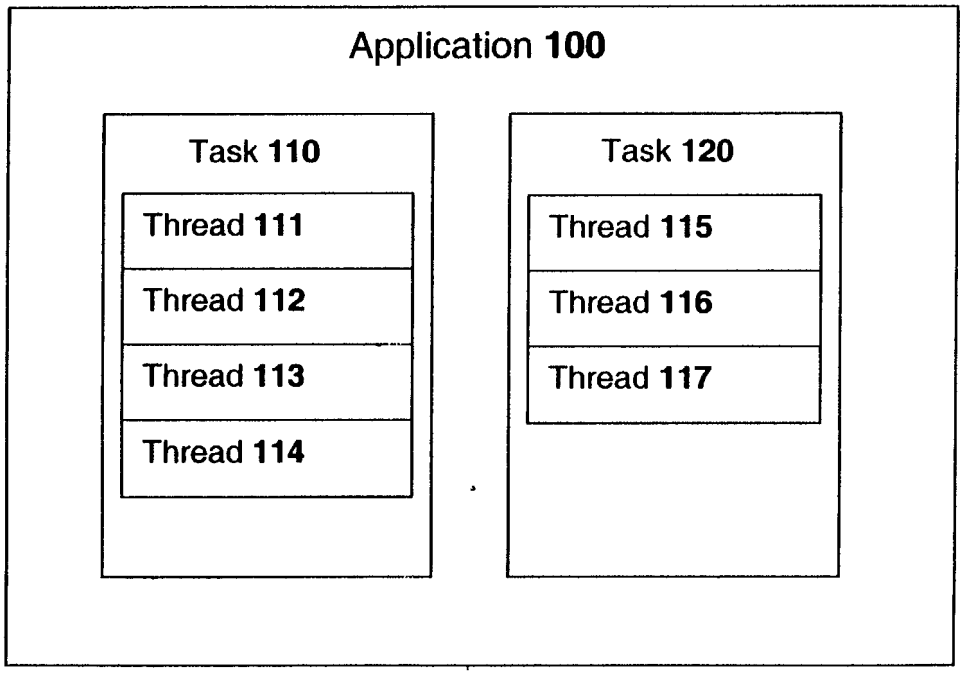

FIG. 1

T08050 "T2CT5860

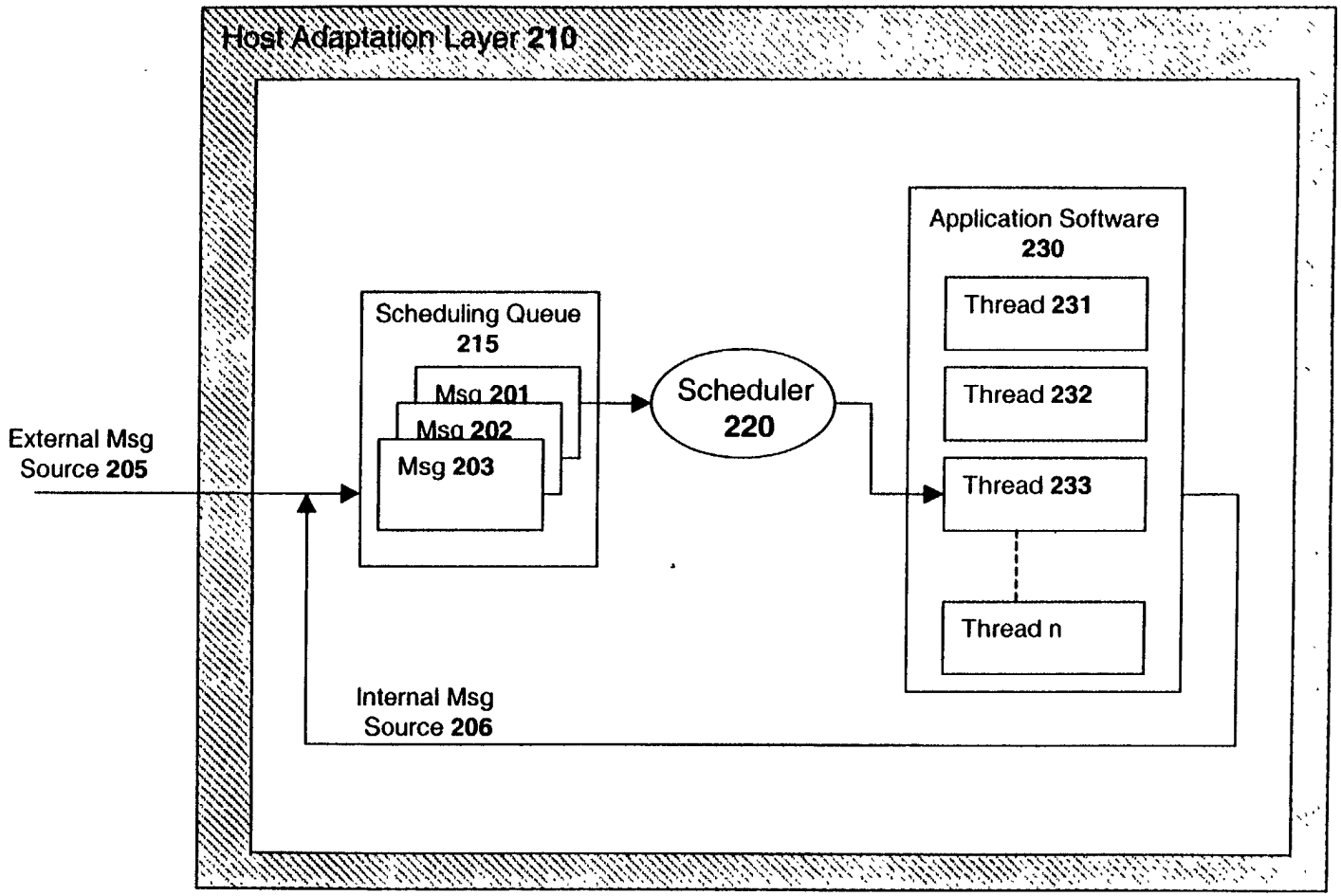

FIG. 2

TD8050" T2ZT5860

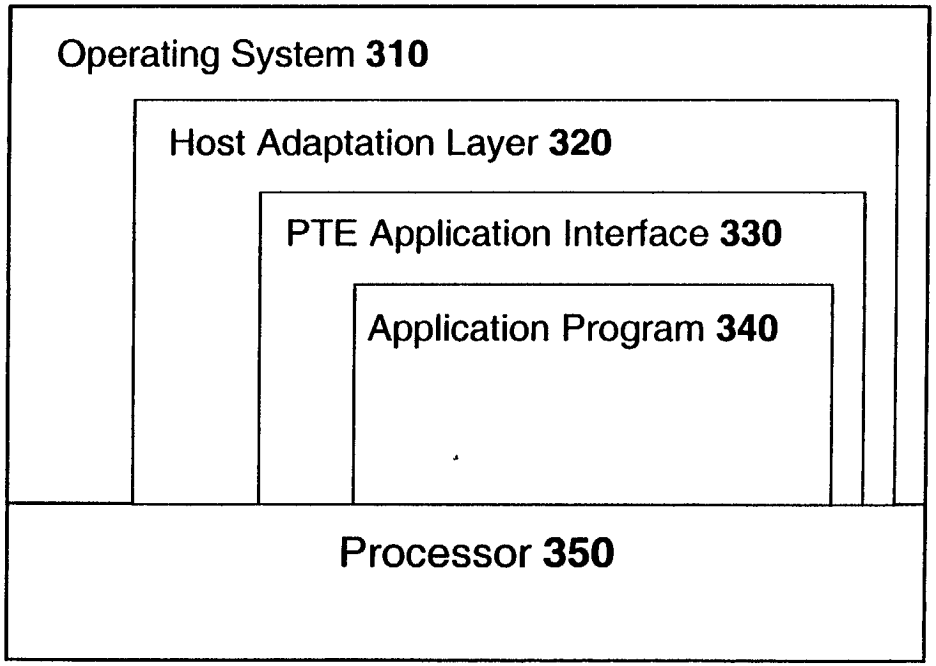

FIG. 3

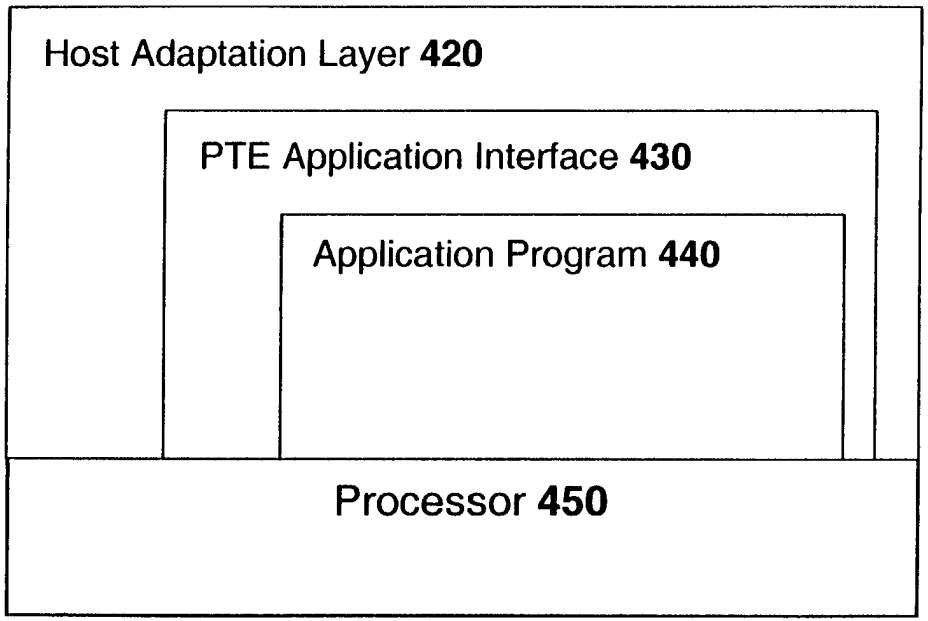
Host Adaptation Layer 420
PTE Application Interface 430
Application Program 440
Processor 450

FIG. 4

T08050 "T2/T5860

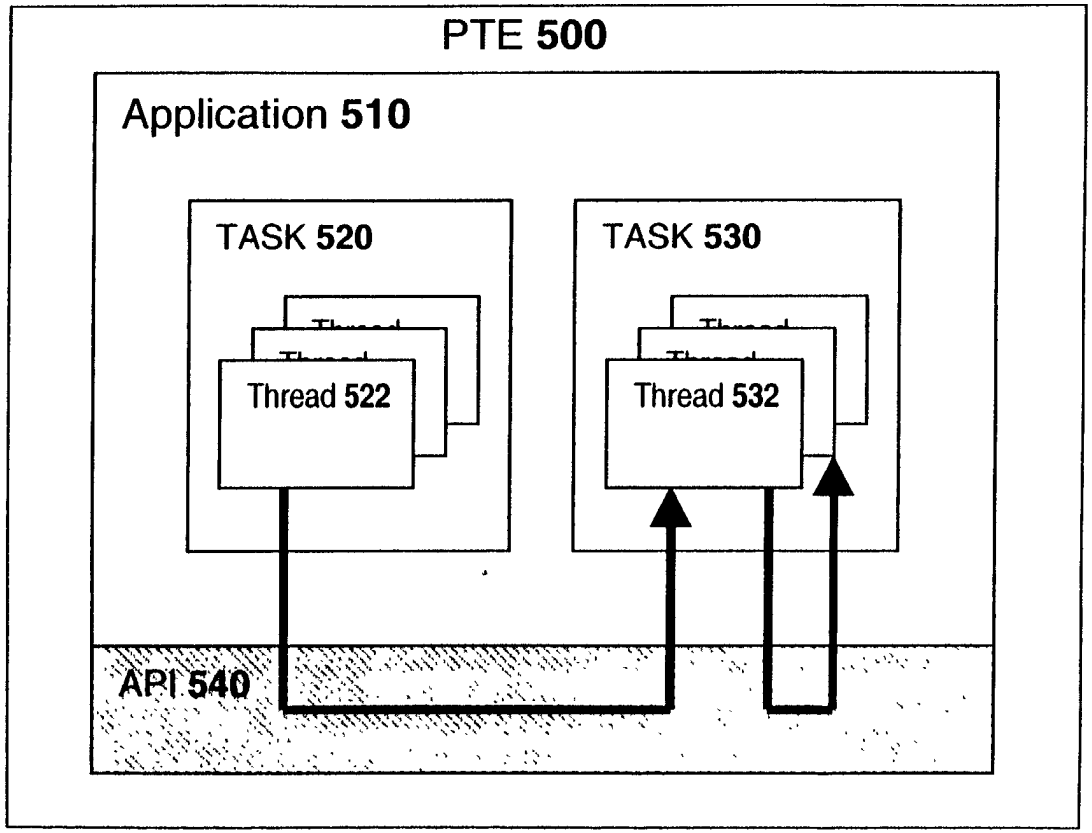

FIG. 5

T08050 " T2ZT5860

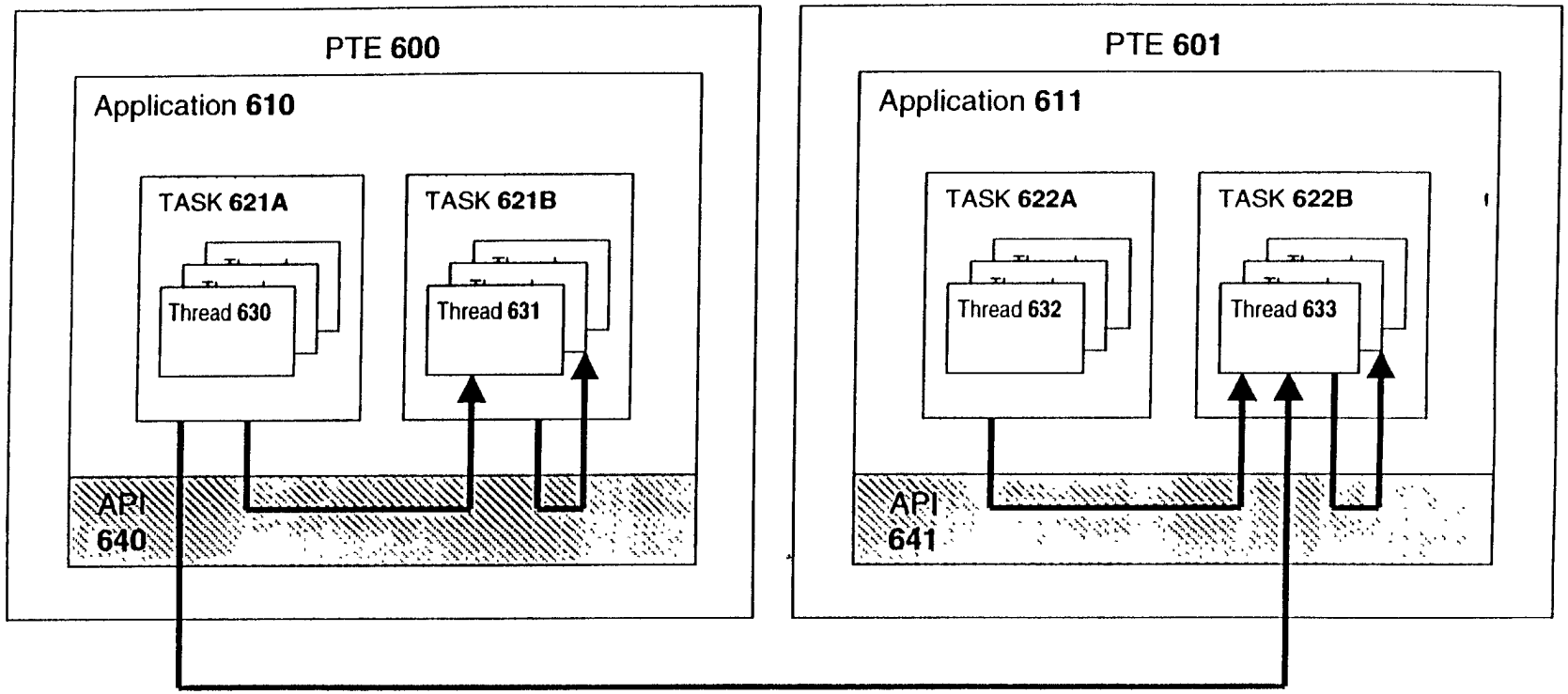

FIG. 6

T08050 "T27S860

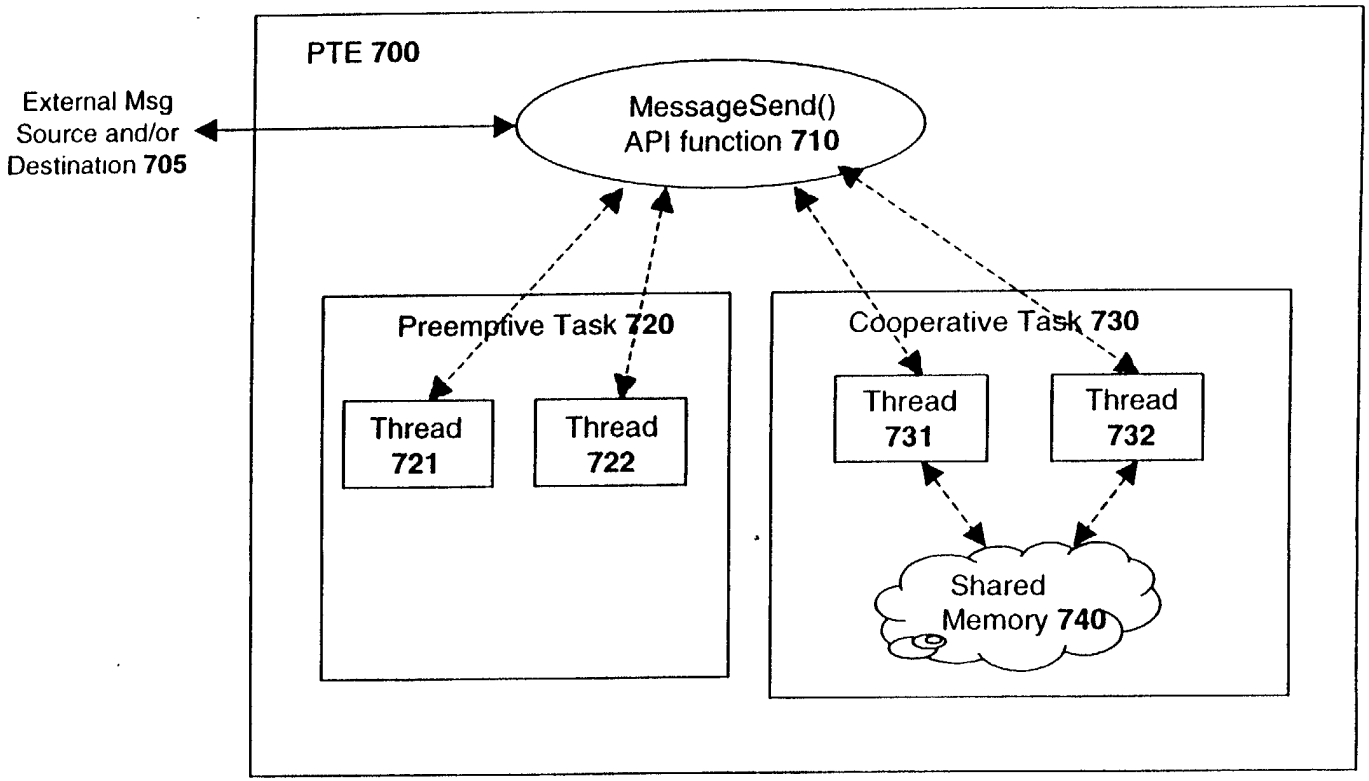

FIG. 7

T0805D" T2CT5860

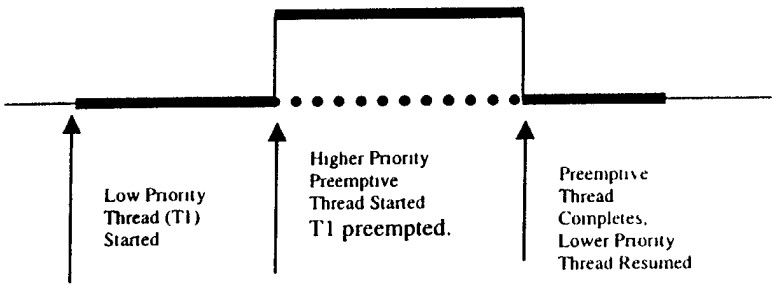

FIG. 8a

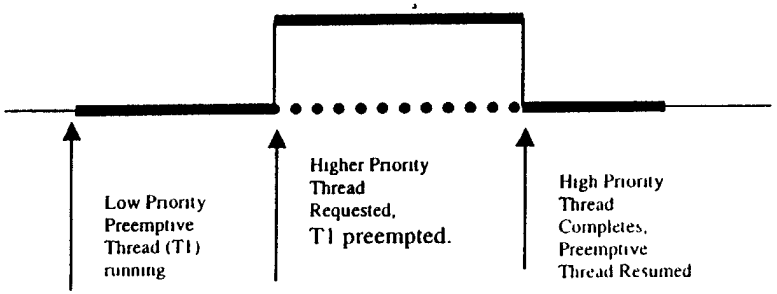

FIG. 8b

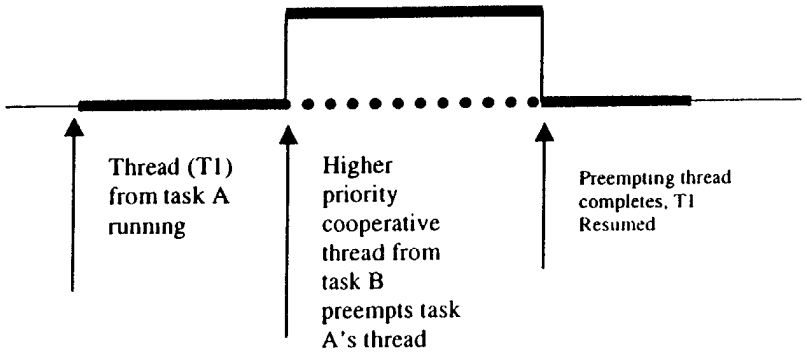
Thread (T1) from task A running
Higher priority cooperative thread from task B preempts task A's thread
Preempting thread completes, T1 Resumed

FIG. 8c

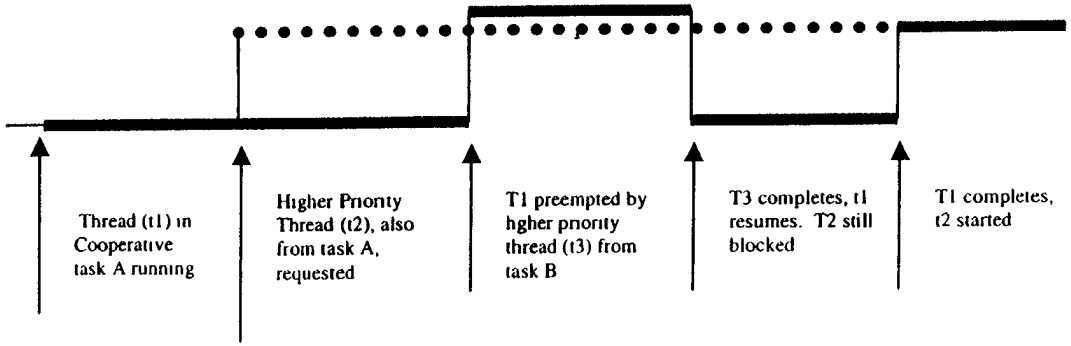
Thread (t1) in Cooperative task A running
Higher Priority Thread (t2), also from task A, requested
T1 preempted by hgher priority thread (t3) from task B
T3 completes, t1 resumes. T2 still blocked
T1 completes, t2 started

FIG. 8d

TOSHIBA TEXTSHOP

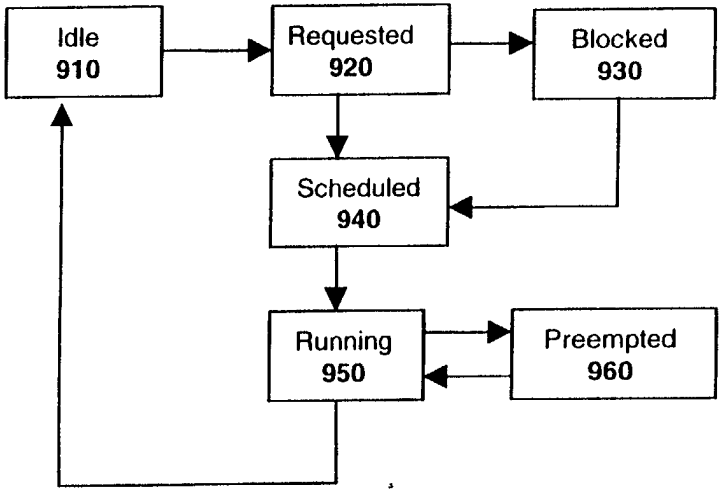

FIG. 9

T08050 T27S860

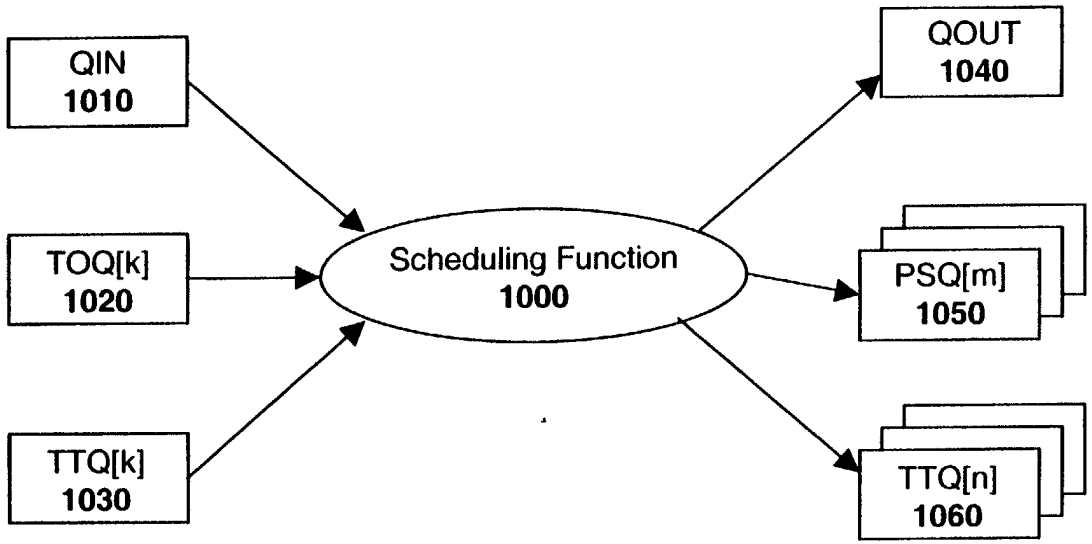

FIG. 10

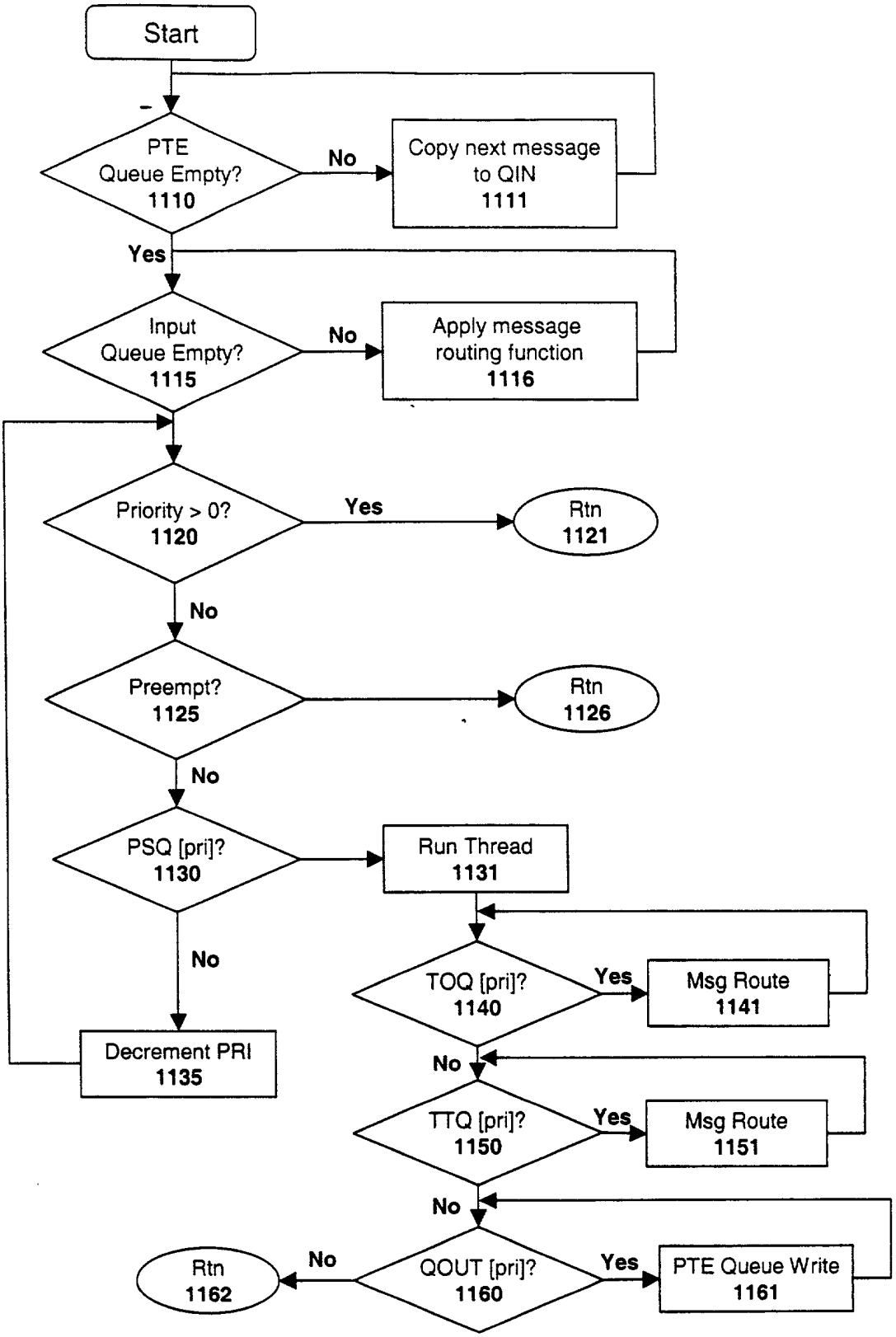
Start
PTE Queue Empty? 1110
No
Copy next message to QIN 1111
Yes
Input Queue Empty? 1115
No
Apply message routing function 1116
Priority > 0? 1120
Yes
Rtn 1121
No
Preempt? 1125
Rtn 1126
No
PSQ [pri]? 1130
Run Thread 1131
No
Decrement PRI 1135
TOQ [pri]? 1140
Yes
Msg Route 1141
No
TTQ [pri]? 1150
Yes
Msg Route 1151
No
QOUT [pri]? 1160
Yes
PTE Queue Write 1161
No
Rtn 1162

FIG. 11

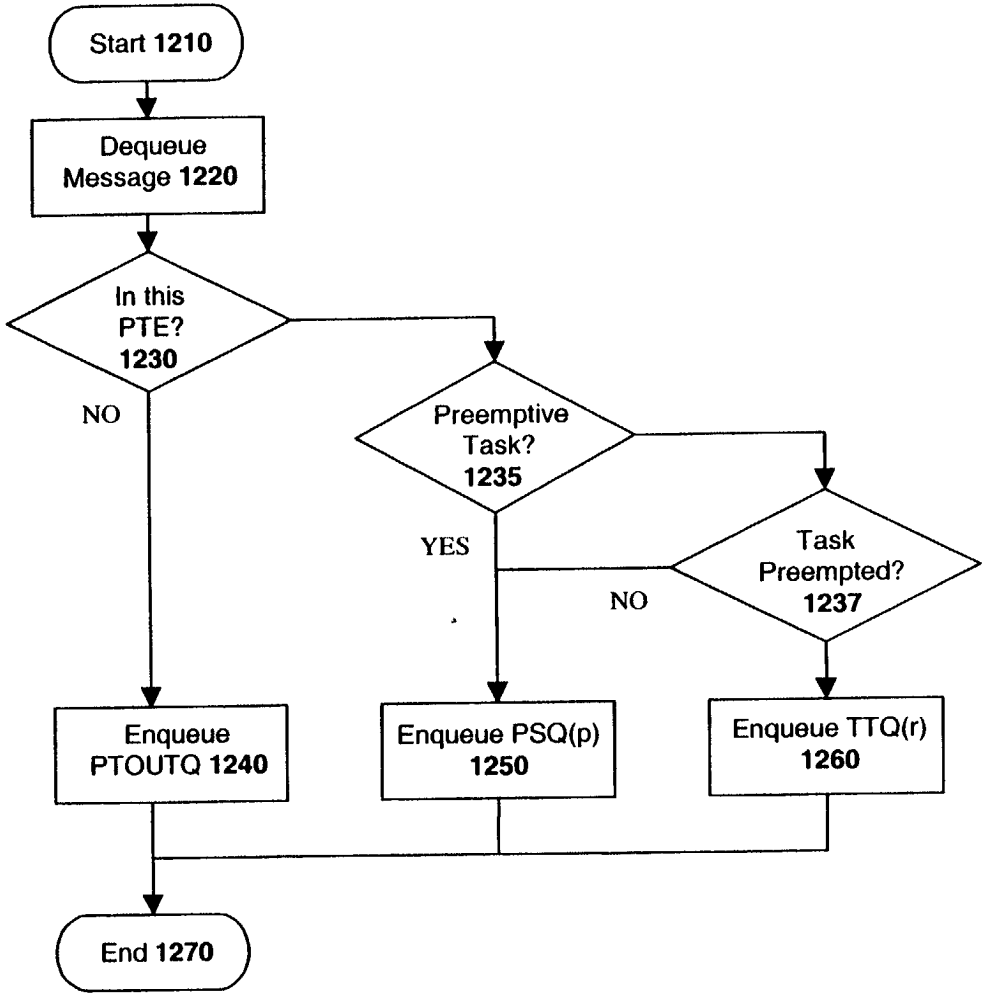
Start 1210
Dequeue Message 1220
In this PTE? 1230
NO
Preemptive Task? 1235
YES
Task Preempted? 1237
NO
Enqueue PTOUTQ 1240
Enqueue PSQ(p) 1250
Enqueue TTQ(r) 1260
End 1270

FIG. 12

Thread Attribute Table	
Thread[n]	*Task ID*
	Thread ID
	Thread Priority {0-MaxPriority}
	Task Type {preemptive|cooperative}

FIG 13a

Task Status Table	
Task[m]	**Status**
0	*Status {Idle|0...MaxPriority}*
1	"
"	"
M	"

FIG 13b

Preempted Task Table	
Priority Level	**Status**
0	*Status {Idle|In-use}*
1	"
"	"
Max-Priority	"

FIG 13c

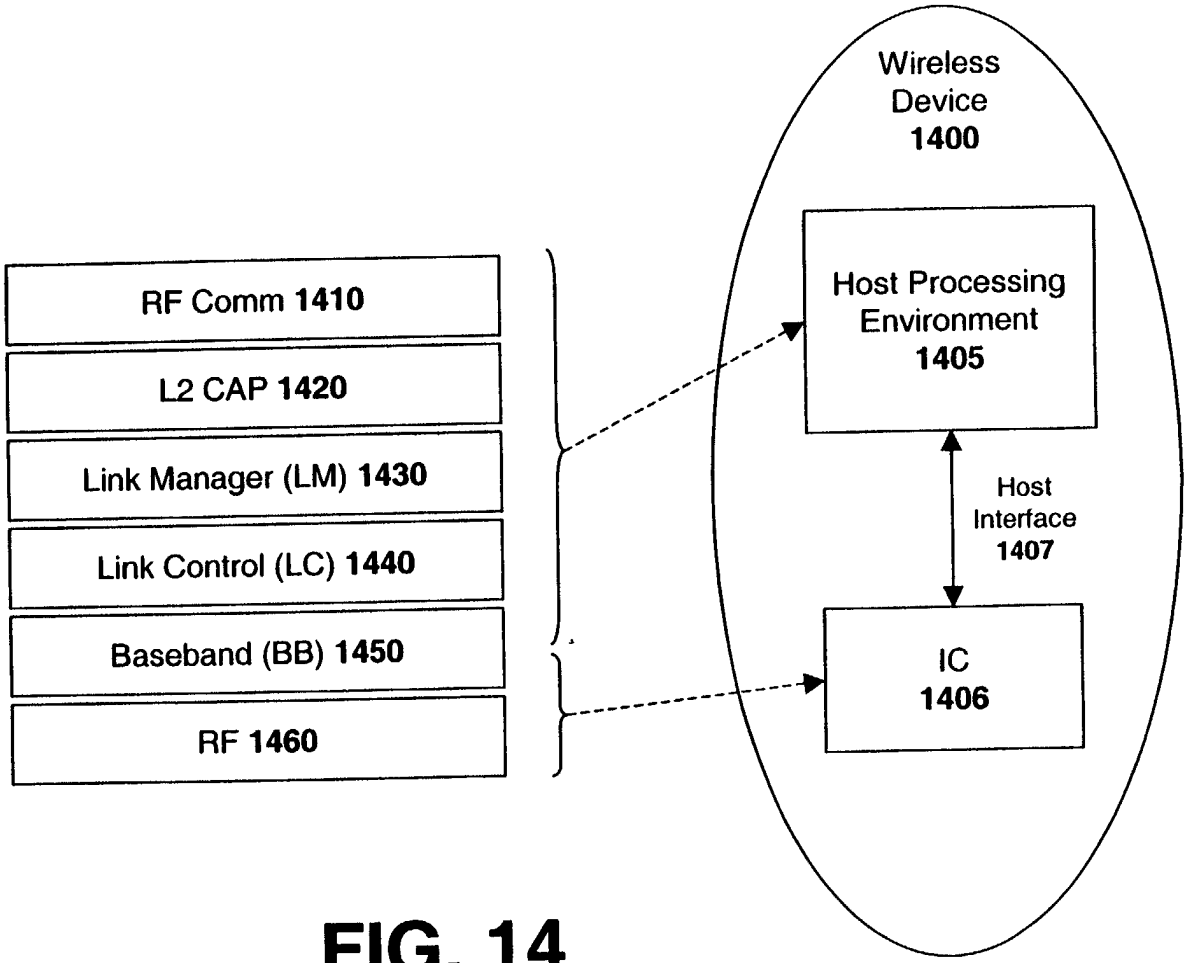
Wireless Device 1400
Host Processing Environment 1405
Host Interface 1407
IC 1406
RF Comm 1410
L2 CAP 1420
Link Manager (LM) 1430
Link Control (LC) 1440
Baseband (BB) 1450
RF 1460

FIG. 14

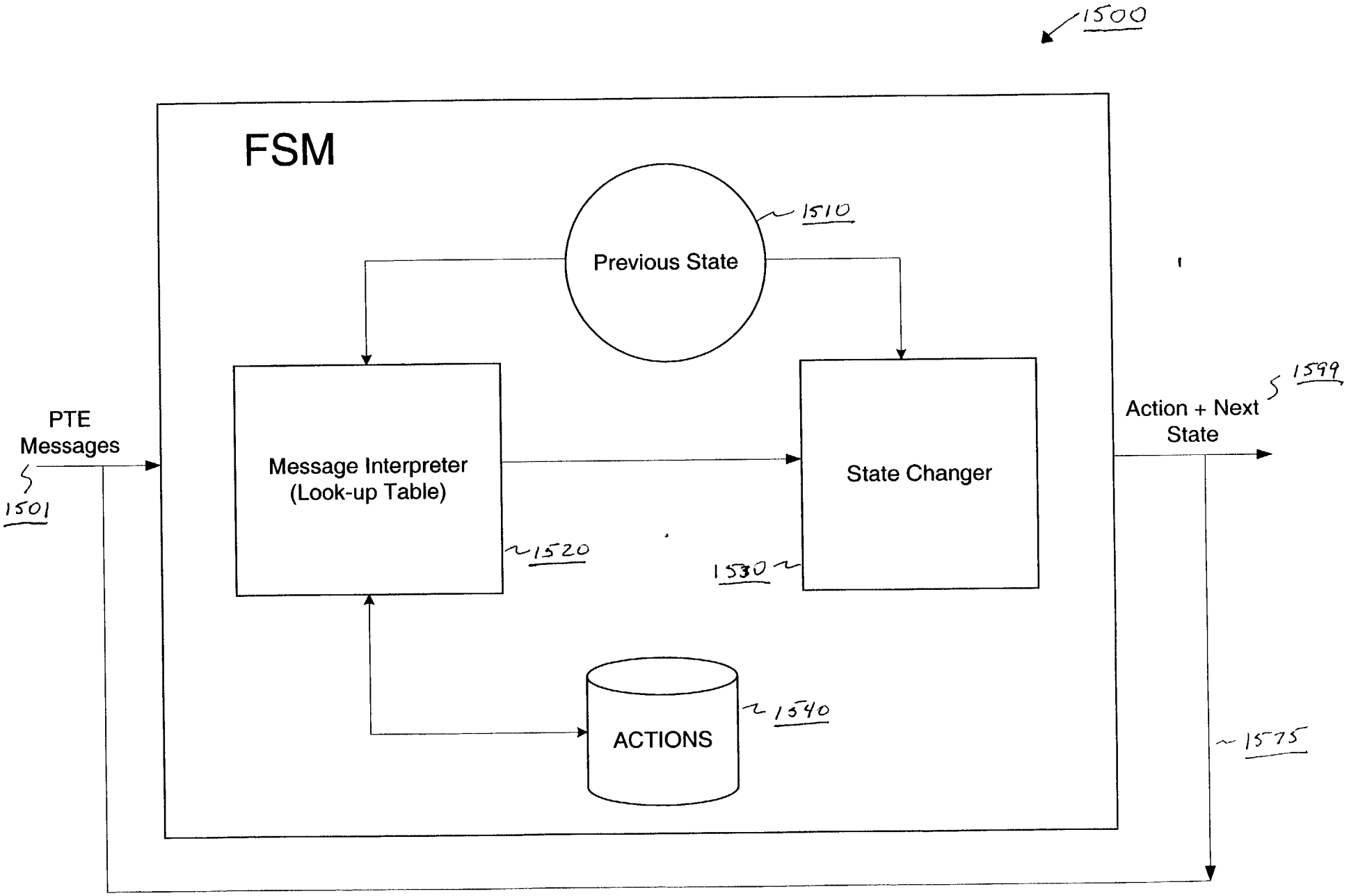
1500
FSM
Previous State
1510
PTE Messages
1501
Message Interpreter (Look-up Table)
1520
State Changer
1530
Action + Next State
1599
ACTIONS
1540
1575

Figure 15